

(FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS' ENTERED AT 18:27:14 ON 16 MAY 2007)

L1 111354 SEA ABB=ON PLU=ON PALINDROME OR INVERTED OR (HEAD-TO-HEAD)
OR (HEAD-TO-TAIL) OR PALINDROMIC

L2 44169 SEA ABB=ON PLU=ON L1 AND (PLASMID OR VECTOR OR VIRUS OR
TRANSGENE OR GENE OR (NUCLEIC ACID) OR CHROMOSOME)

L3 17056 SEA ABB=ON PLU=ON L2 AND (MUTATION OR INSERTION OR DELETION
OR MODIFIED OR MUTAGENESIS)

L4 1062 SEA ABB=ON PLU=ON L3 AND TANDEM

L5 28 SEA ABB=ON PLU=ON L4 AND ((NUCLEAR TRANSPORT SIGNAL) OR
(NUCLEAR LOCALIZATION SIGNAL) OR NLS OR NUCLEUS)

L6 15 DUPLICATE REMOVE L5 (13 DUPLICATES REMOVED)
ANSWERS '1-9' FROM FILE MEDLINE
ANSWERS '10-11' FROM FILE EMBASE
ANSWERS '12-15' FROM FILE CAPLUS
DISPLAY BIB L6 1-15

L7 149 SEA ABB=ON PLU=ON L4 AND (TRANSFORMATION OR TRANSFECTION)

L8 79 DUPLICATE REMOVE L7 (70 DUPLICATES REMOVED)
ANSWERS '1-49' FROM FILE MEDLINE
ANSWERS '50-57' FROM FILE EMBASE
ANSWERS '58-59' FROM FILE BIOSIS
ANSWERS '60-79' FROM FILE CAPLUS

L9 12 SEA ABB=ON PLU=ON L8 AND ((PALINDROME OR INVERTED) (S)
(PLASMID OR VECTOR OR VIRUS OR TRANSGENE))

L10 0 SEA ABB=ON PLU=ON L9 AND (METHYLATED OR METHYLATION OR LNA)

L11 1 SEA ABB=ON PLU=ON L8 AND (METHYLATED OR METHYLATION OR LNA)

DISPLAY BIB L11 1

L12 14 SEA ABB=ON PLU=ON L4 AND (METHYLATED OR METHYLATION OR LNA)

L13 7 DUPLICATE REMOVE L12 MEDLINE (7 DUPLICATES REMOVED)
ANSWERS '1-5' FROM FILE MEDLINE
ANSWER '6' FROM FILE BIOSIS
ANSWER '7' FROM FILE CAPLUS
DISPLAY BIB L13 1-7

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|-------------------------------|---|------------------|---------|------------------|
| S1 | 8770 | cao.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:53 |
| S2 | 6680 | sagawa.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:53 |
| S3 | 161554 | kato.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:53 |
| S5 | 4 | S1 and S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:53 |
| S6 | 6 | S1 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:54 |
| S7 | 353 | S2 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:54 |
| S8 | 4 | S1 and S2 and S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:54 |
| S9 | 35 | S7 and (mutation or inverted) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:59 |

EAST Search History

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|-----|-----|--|---|------|----|------------------|
| S10 | 3 | S7 and (inverted) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:55 |
| S11 | 17 | S7 and (antisense) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 13:59 |
| S12 | 23 | (inverted repeat) near transgene | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:37 |
| S13 | 104 | (inverted repeat) near gene | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:43 |
| S14 | 104 | ((inverted or antisense) near repeat) near gene | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:19 |
| S15 | 130 | ((inverted or antisense) near repeat) near (gene or transgene or heterologous or mRNA or cDNA or insert) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:20 |
| S16 | 122 | S15 and (mutagenesis or transgene or mutation or mutant or mutated) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:24 |
| S17 | 230 | inverted near (transgene or gene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:24 |

EAST Search History

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| S18 | 121 | S17 and (mutagenesis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:37 |
| S19 | 4291 | (T-DNA or TDNA) and (mutagenesis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:37 |
| S20 | 430 | S19 and (inverted repeat) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:39 |
| S21 | 57 | S20 and nls | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 15:37 |
| S22 | 7 | (inverted repeat)near (mutated or mutation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:44 |
| S23 | 116 | (inverted repeat) near (gene or transgene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:43 |
| S24 | 325 | (inverted repeat)same (mutated or mutation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:45 |
| S25 | 12 | S23 and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:53 |

EAST Search History

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|-----|------|---|---|------|----|------------------|
| S26 | 3542 | gene near duplica\$ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:58 |
| S27 | 1299 | S26 and (inversion or invert or inverted) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:55 |
| S28 | 3148 | S26 and (homologous) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:55 |
| S29 | 1227 | S27 and (homologous) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:55 |
| S30 | 897 | S27 and (homologous recombination) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:10 |
| S31 | 843 | S30 and mutagenesis | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:30 |
| S32 | 115 | S31 and nls | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:11 |
| S33 | 4628 | gene near (duplica\$ or repeat\$) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 17:59 |

EAST Search History

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| S34 | 39 | S24 and S33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:09 |
| S35 | 1682 | (repeat or repeated) near (transgene or gene or cDNA or RNA) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:10 |
| S36 | 31043 | (inverted or antisense) near (transgene or gene or cDNA or RNA) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:30 |
| S37 | 610 | S35 and S36 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:10 |
| S38 | 160 | S37 and (homologous recombination) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:29 |
| S39 | 23 | S38 and nls | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:19 |
| S40 | 1766 | tandem near (gene or transgene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:19 |
| S41 | 204 | S40 and inverted | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:23 |

EAST Search History

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| S42 | 6 | S40 and (inverted near (gene or transgene)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:20 |
| S43 | 116 | S40 and (inverted repeat) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:23 |
| S44 | 103 | S43 and recombination | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:27 |
| S45 | 8 | S44 and nls | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:23 |
| S46 | 0 | ".21" and palindrome | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:27 |
| S47 | 23 | S43 and palindrome | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:28 |
| S48 | 2 | palindrome near (gene or cdna or transgene or rna) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:29 |
| S49 | 759 | palindrome same (gene or cdna or transgene or rna) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:29 |

EAST Search History

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| S50 | 249 | S49 and (homologous recombination) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:29 |
| S51 | 113 | S50 and inverted | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/14 18:30 |
| S52 | 87 | S51 and mutagenesis | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:21 |
| S53 | 759 | palindrome same (gene or cdna or transgene or rna) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:21 |
| S54 | 759 | S53 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:21 |
| S55 | 258 | S54 and tandem | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:21 |
| S56 | 742 | S54 and (tandem near gene or transgene or dna or rna) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:22 |
| S57 | 10 | S54 and (tandem near (gene or transgene or dna or rna)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:31 |

EAST Search History

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| S58 | 2132 | (tandem near (gene or transgene or dna or rna or insert)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:35 |
| S59 | 762 | S58 and ((inverted or antisense) near (gene or transgene or dna or rna or insert)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:36 |
| S60 | 15 | S58 and (inverted near (gene or transgene or dna or rna or insert)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:39 |
| S61 | 1766 | (tandem near (gene or transgene)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:35 |
| S62 | 74 | S58 and ((inverted or antisense) near (gene or transgene)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:36 |
| S63 | 59 | S61 and ((inverted or antisense) near (gene or transgene)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:36 |
| S64 | 231 | (inverted near (gene or transgene)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 09:39 |
| S65 | 73 | S64 and tandem | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 10:42 |

EAST Search History

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| S66 | 12 | (palindromic or palindrome) near (plasmid or (expression vector)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 10:47 |
| S67 | 324 | (head-to-head or (hear near head)) same (orientation or oriented) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 10:55 |
| S68 | 192 | S67 and (plasmid or vector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 10:48 |
| S69 | 133 | S68 and (recombination) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 11:06 |
| S70 | 1675 | (head-to-head or (hear near head)) same (transgene or gene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 10:55 |
| S71 | 20 | (head-to-head or (hear near head)) near (transgene or gene) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 11:06 |
| S72 | 110 | S70 and S68 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 11:06 |
| S73 | 86 | S72 and (recombination) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 11:07 |

EAST Search History

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| S74 | 53 | S73 and (mutagenesis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON | 2007/05/15 11:07 |
|-----|----|-----------------------|---|------|----|------------------|